

Day 1 - Tuesday April 5, 2016

TIME	SPEAKER	TITLE
8:30-8:40	John Stein	Welcome
Invited Speaker		
8:40-9:10	Libby Jewett - Director, NOAA Ocean Acidification Program	Intersection between NOAA Ocean Acidification Program and NWFSC: Now and into the future
Session 1: HABITATS		
9:10-9:25	Aaron Chappell	Fine-scale benthic habitat classification as part of the Northwest Fisheries Science Center's (NWFSC) Southern California Hook and Line Survey
9:25-9:40	Ole Shelton	Using spatio-temporal models to identify drivers and trend of eelgrass in Puget Sound over the past 40 years (1972-2012)
9:40-9:55	Robby Fonner	Prioritizing habitat restoration for endangered salmon: Getting the most bang for your buck
9:55-10:10	Lyndal Johnson	Persistent pollutants in Puget Sound juvenile Chinook salmon: Current concentrations and long-term trends
10:10-10:25	Louisa Harding	Wastewater treatment plant effluent alters pituitary gonadotropin mRNA levels in juvenile coho salmon (<i>Oncorhynchus kisutch</i>)
10:25-10:40	Gordon Axel	PIT tag detection system development - Lower Granite Dam spillway
10:40-11:10	Everyone	BREAK
Session 2: ECOSYSTEM SCIENCE		
11:10-11:25	Mark Scheuerell	Predator reintroduction alters species interactions and stability in a kelp forest ecosystem
11:25-11:40	Barry Berejikian	Predator-prey interactions between harbor seals and migrating steelhead smolts revealed by acoustic telemetry
11:40-11:55	Ric Brodeur	Distribution and community structure of pre-recruit groundfish and other taxa in the Northern California Current
11:55-12:10	Melissa Head	FRAM's reproductive maturity program and its application for fisheries management
12:10-12:18	Greg Williams	Community structure of eelgrass-associated invertebrates along the urban gradient of Puget Sound
12:18-12:26	Paul McElhany	The effect of zooplankton behaviour on exposure to harmful pH conditions
12:26-12:34	Jessica Lundin	The inclusion of toxic exposures in a population model of Chinook salmon (<i>oncorhynchus tshawytscha</i>) in the Willamette River basin
12:34–2:00	Everyone	LUNCH
Invited Speaker		
2:00-2:30	Joth Davis - Puget Sound Restoration Fund	Aquaculture development for native species in the Salish Sea
Session 3: SEAFOOD SAFETY/SPECIES		
2:30-2:45	Vera Trainer	The impacts of a massive harmful algal bloom along the US west coast in 2015
2:45-3:00	Bradley Gadberry	Intensive land-based farming of red and green macroalgae in the Pacific Northwest: An evaluation of seasonal growth and proximate composition
3:00-3:15	Ronald Johnson	Effects of dietary taurine and lipid on growth and nutrient utilization of juvenile sablefish <i>Anoplopoma fimbria</i> fed alternative plant based feeds
3:15-3:30	John Colt	Impact of chiller failure on thermal shock in the incubation of sockeye salmon (<i>Oncorhynchus nerka</i>)
3:30-3:45	Adam Luckenbach	Sexual growth dimorphism in sablefish
3:45-3:53	Lisa Armbruster	Arachidonic acid supplementation of brood diet affects nutritional composition and quality of eggs of serial spawning California Yellowtail, <i>Seriola laland</i>
4:00-6:00	Everyone	Poster Session

Day 2 - Wednesday April 6, 2016

TIME	SPEAKER	TITLE
8:30-8:35	Mark Strom	Introduction
Invited Speaker		
8:35-9:05	Jeffrey Heer - Computer Science & Engineering, University of Washington	Principles of Data Visualization
Session 4: ECOSYSTEM SCIENCE		
9:05-9:20	Jameal Samhouri	Determining the vulnerability of coastal communities to social and ecological change
9:20-9:35	Melissa Poe	Assessing sociocultural vulnerabilities of ocean acidification, a community-based project with the Squaxin Island Tribe
9:35-9:50	Lisa Pfeiffer	The effects of catch share management on safety and risk taking in the Pacific Northwest fisheries
9:50-10:05	Erin Steiner	The economics and social science of crew in the West Coast groundfish catch share program
10:05-10:13	Amanda Warlick	West Coast Groundfish Catch Share Program: Economic overview of the at-sea sector
10:13-10:21	Marie Guldin	Processor-allocated quota in IFQ programs – An analysis of the shoreside Pacific whiting fishery
10:21-10:30	Kayleigh Somers	Discard trends in a rationalized fishery
10:30-11:00	Everyone	BREAK
Session 5: ECOSYSTEM SCIENCE/SPECIES		
11:00-11:15	Gary Winans	A genetic inventory of marine organisms of the Salish Sea
11:15-11:30	James O'Donnell	Towards quantitative multi-species environmental DNA surveys
11:30-11:45	Krista Nichols	Genomic signatures of migration in <i>Oncorhynchus nerka</i> to inform conservation and management of endangered stock
11:45-12:00	Kelly Andrews	Cooperative research sheds light on the status of ESA-listed rockfish in Puget Sound
12:00-12:15	Curtis Roegner	The secret life of crabs: Movement and behavior of Dungeness crab as determined by benthic video imaging and acoustic telemetry
12:15-12:30	James Faulkner	Improvements to survival estimation for migrating juvenile salmon using capture-recapture models with adaptive nonparametric smoothing
12:30–1:30	Everyone	LUNCH/TAKE DOWN POSTERS
Invited Speaker		
1:30-2:00	Noel Pelland - National Marine Mammal Laboratory	Adult female Northern fur seals in the California Current: Linking behavior to upper-ocean variability
Session 6: SPECIES		
2:00-2:15	Brad Hanson	Using satellite-tag locations to improve acoustic detection data for endangered killer whales: A case study to better identify potential critical habitat in a US Navy Training Range
2:15-2:30	Marla Holt	Vessel noise exposed to Southern Resident killer whales: a comparison before and after U.S. vessel regulations
2:30-2:45	Mark Sorel	Impacts of pinniped predation on Columbia River Chinook salmon populations
2:45-3:00	Nick Tolimieri	MARSS models for estimating population status for data-poor species: three ESA listed rockfishes in Puget Sound
3:00-3:08	Colin Jones	Potential impacts of Cowcod Conservation Areas on shelf rockfish in the Southern California Bight
3:08-3:16	Sandy Parker-Stetter	The 2016 winter hake survey – watching hake when they think no one is watching
3:16-3:24	Katy Doctor-Shelby	Steelhead in a changing climate: Trophic dynamics and growth response to temperature among three Hood Canal rivers, Washington
3:24-3:32	Todd Hay	FRAM Data Warehouse
3:45-5:00	Everyone	Division breakout sessions (as scheduled by Division Directors)

Tuesday April 5th, 4-6pm

2016 NWFSC Poster Titles

#	PRESENTER	DIVISION	TITLE
P-1	Katie Barnas	CB	Patterns in restoration placement and tools to help prioritize restoration planning for ESA listed salmonids
P-2	Keri Baugh	EFS	Persistent organic pollutants in female humpback whales from the Gulf of Maine
P-3	John Buchanan	FRAM	Feeding ecology of select groundfish species captured in the Northwest Fisheries Science Center's West Coast bottom trawl survey, using gut contents and stable isotopes
P-4	Hannah Clipp	CB	Avian community response to salmon recolonization in the Cedar River watershed, WA
P-5	Peter Frey	FRAM	Trends in the distribution, relative abundance, and population structure of the Pacific flatnose, <i>Antimora microlepis</i> , on the U.S. West Coast
P-6	Abby Fuhrman	EFS	Integration vs. segregation: a “common garden” approach to understanding population level patterns of early male maturation in Columbia and Snake River Basin spring Chinook hatchery programs
P-7	Vladlena Gertseva	FRAM	Understanding relationships between biological population data and environmental variation for rockfish off the West Coast of the United States
P-8	John Harms	FRAM	Improving the information available for assessing and managing morphologically similar species: Vermillion rockfish (<i>Sebastes miniatus</i>) and its cryptic pair, sunset rockfish (<i>S. crocotulus</i>)
P-9	Deborah Harstad	EFS	Effects of modulating ration and dietary lipid on smolt quality and adult returns of Umatilla River yearling fall Chinook salmon
P-10	Edward Hayman	EFS	Molecular sex differentiation in sablefish (<i>Anoplopoma fimbria</i>): gonadal gene expression patterns during normal sex differentiation and hormonal sex reversal
P-11	Melissa Head	FRAM	A new approach to reproductive analysis for fisheries management, a case study on <i>Sebastes pinniger</i>
P-12	Aimee Keller	FRAM	Life history differences between rougheye (<i>Sebastes aleutianus</i>) and Blackspotted (<i>S. melanostictus</i>) rockfishes based on genetic analysis
P-13	Eric LaHood	CB	Population genetic structure of wild steelhead in central Idaho suggests gene flow directly between headwaters of the upper Salmon River and Middle Fork
P-14	Don Larsen	EFS	Life after precocious male maturation in a semelparous salmonid: a physiological perspective in spring Chinook salmon
P-15	Peter Lawson	CB	A dockside sampling program for integrating high resolution genetic information into fishery management
P-16	Desmond Maynard	EFS	Effect of point source feeders on cultured sockeye salmon social behavior
P-17	Jenifer McIntyre	WSU	Urban runoff differentially affects coho and chum salmon spawners
P-18	Jessie Moravek	FE	The influence of salmon recolonization on riparian communities in the Cedar River, Washington, USA
P-19	Mary Moser	FE	Developing a non-invasive method to assess green sturgeon (<i>Acipenser medirostris</i>) condition
P-20	Mary Moser	FE	Prevalence of pathogens in Pacific Lamprey of the Pacific Northwest
P-21	Peter Nicklason	EFS	Sustainable feeds from fish waste for aquaculture
P-22	Karen Peck	EFS	Long term carditoxic effects of embryonic crude oil exposure in fish
P-23	Jose Reyes-Tomassini	EFS	AquaTracker: A tool for the analysis of acoustic telemetry data
P-24	Benjamin Sandford	FE	Implications of management and dynamic climatic conditions for the recovery of Snake River sockeye
P-25	Frank Sommers	EFS	Effect of taurine deficient diet on olfactory function and possible conservation of taurine in sablefish (<i>Anoplopoma fimbria</i>)
P-26	Erin Steiner	FRAM	Northwest Fisheries Science Center economic data collection program for catch shares
P-27	Andi Stephens	FRAM	Exploring an individual based modeling approach for fisheries